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FIFTY-FIFTH ANNUAL MEETING

KANSAS ACADEMY OF SCIENCE

Lawrence, February 16 and 17, 1923

OFFICERS FOR 1922-23

R. K. Nabours, Manhattan	President
H. P. Cady, Lawrence	First Vice-President
H. H. Nininger, McPherson	Second Vice-President
L. D. Havenhill, Lawrence	Treasurer
E. A. White, Lawrence	Secretary
F. U. G. Agrelius, W. A. Harshbarger, Roy Rankin, O. P. Dellinger,	Additional Members of the Executive Council

PROGRAM**Friday, February 16, 1923**

- 10:30 a. m. Business. Reading of Papers.
 1:30 p. m. Business. Reading of Papers.
 6:30 p. m. Dinner.
 Address by Chancellor Lindley.
 Address by A. B. Carney.
 Short talks by several members of the Academy.
 8:00 p. m. Presidential address by Dr. R. K. Nabours: "Eugenics;
 the Limitations and the Promise."
 (Jour. of Hered. Vol. 14, pp. 277-288, 1923)

Saturday, February 17, 1923

- 8:30 a. m. Reports of Committees. Reading of Papers.
 1:30 p. m. Meeting of the New Executive Council.

PAPERS SUBMITTED FOR THE FIFTY-FIFTH SESSION

1. Review of Investigation upon the Loco Weed, *Astragalus mollissimus* and *Oxytropis lamberti*. L. E. Sayre.
2. Tad-poles as an Indicator in Pharmacological Standardization. L. E. Sayre.
3. A Half Century of Chemical Teaching. E. H. S. Bailey.
4. Some Needed Reforms in the Packing of Food Products. E. H. S. Bailey.
5. Continued Archaeological Studies in the Navajo Country, Arizona. A. B. Reagan.
 (Published in this volume of the Transactions)
6. A West Coast Indian Honeymoon. A. B. Reagan.
7. Traveling Light. A. B. Reagan.
8. Additions to the List of Kansas Coleoptera. W. Knaus.
9. The Spotted Beetle, *Leonedia neomexicana* Cockill, in Central Kansas.
 W. Knaus.
10. A Projection Galvanometer for Lecture Experiment in Electro-chemistry.
 H. M. Elsey.
11. Revised List of the Lepidoptera of Kansas. F. F. Crevecoeur.
12. Chemistry as Evaluated by the Student. Roy Rankin.

13. A Cambrian Plant. What is it? L. C. Wooster.
14. The Scientific Method of Reasoning, vs. the Medieval. L. C. Wooster.
(Teaching, Kansas State Teachers College of Emporia, 1928)
15. The Edge of a Coal Field. C. M. Young.
16. Evolution. J. M. McWharf.
17. Some Aspects of Endocrinology. C. I. Reed.
18. The Gray Squirrel in Trouble. Theo. H. Scheffer.
19. Biological Notes for 1922. F. U. G. Agrelius.
20. A Study of the Chemical Characteristics of the Connective Tissue of Clams.
Helen Thompson.
21. Anaxemia. C. F. Nelson.
22. The Anatomy of a Two-headed Calf with a Consideration of its Possible
Origin. Mary T. Harman, C. A. Herrick, Ernest Hartman, Florence Steb-
bins. L. F. Pavne, Luella Schaumburg.
23. Additions to the Chrysomelidae of Kansas. James A. Douglas.
(In preparation for Jour. Kan. Ent. Soc.)
24. The Life Stages of Some Hemerobiids. Roger C. Smith.
(Annals Ent. Soc. Amer. Vol. 6, pp. 120-148, 1923)
25. The Ecological Features of Kansas. J. W. McColloch.
(Naturalist's Guide to the Americas, 1926)
26. Notes on Winter Birds of McPherson and Vicinity in 1922-23. H. H. Nininger.
27. The Fossil Deposits of the Rancho La Brea Asphalt Beds. H. H. Nininger.
28. The External Anatomy of the Ventral Side of the Head of *Pyrallis farinalis*
Linn. Nellie M. Payne.
29. Take-all Disease of Wheat in Kansas. R. P. White and L. E. Melchers.
30. Studies of Foot-rot of Wheat (Take-all) in Kansas. L. E. Melchers.
31. In the San Juan Basin, New Mexico. Charles H. Sternberg.
32. Notes on Food Habits of Some Raptorial. H. K. Gloyd.
33. Observations on Migration of Certain Nematode Larvae. Bertha L. Danheim.
(Trans. Amer. Micro. Soc., Vol. 44, pp. 14-23, 1925)
34. Some Effects of Nematodes on Young Chicks. C. A. Herrick. Introduced
by J. E. Ackert.
(Anat. Rec., Vol. 26, p. 359, 1923)
35. On the Longevity of Infected Hookworm Larvae. James E. Ackert.
36. The Development of Body Movements in Relation to the Maintenance of the
Visual Field. H. C. Tracy.
37. Pigment as an Indicator of Rates of Differentiation in Vertebrate Embryos.
Hervey Faris.
38. The Use of Cerebral Anemia in Experimental Studies upon Mammalian Em-
bryos. E. A. Swenson.
39. The Development of Motor Centers in the Brain as Correlated with their
Function. Ira D. Hogg.
(Jour. Comp. Neur., Vol. 44, pp. 449-495, 1927.)
40. Rates of Differentiation in the Nervous System as Possible Factors in the
Growth of Conducted Paths. Geo. E. Coghill.
41. The Bacteriophage Phenomenon. L. D. Bushnell.
42. Friends of Man Beneath the Sod. P. L. Gainey.
43. Bacterium puliorum as a Factor in Low Hatchability. F. R. Beaudette.
44. Bacterial Content of Kansas Ice Cream. A. C. Fay.
(Jour. of Dairy Science, Vol. 6, pp. 283-291, 1923)
45. Some Natural Gases Unusually Rich in Helium. H. P. Cady.
46. On the Reactions of the Substituted Rhonanines. F. B. Dains and S. P. Davis.
(Kans. Univ. Sci. Bull., Vol. 15, No. 5, 1924)
47. Notes upon the Preparation of Announcement Slides. L. M. Peace.
48. Extraction of Caesium from Pollucite. Dale Puffett.
49. The Mississippi River During the Illinoian Stage of Glaciation. W. H.
Schoewe.
(Jour. Geol., Vol. 31, pp. 420-432, 1923)
50. Inheritance of "Red Eye" in Guinea Pigs. H. L. Ibsen and P. W. Gregory.
51. Swamp and Bog Plants; *Iris versicolor* L. F. C. Gates.
(Torreya, Vol. 24, pp. 55-57, 1924)
52. Report on the Library of the Kansas Academy of Science. E. N. Manchester.

MINUTES OF FIFTY-FIFTH ANNUAL MEETING

The fifty-fifth annual meeting of the Kansas Academy of Science was held at Lawrence, February 16 and 17, 1923. The meeting was called to order by the president, Dr. R. K. Nabours, at 10:30, Friday morning. The minutes of the fifty-fourth annual meeting were read and approved.

The following committees were appointed by the president:

1. Program: Agrelius, Rankin, Dellinger.
2. Resolutions: Agrelius, Ackert, Nininger.
3. Auditing: Rankin, Dean Thompson.
4. Membership: White, Havenhill.
5. Publishing: White, Willard, Dains, Baumgartner.
6. Press: White, Knaus, Ackert.
7. Research: Dains, Bushnell, Hungerford.
8. Parks: McCulloch, Knaus, Dellinger, Miss Meeker.
9. Nominating: Elsey, Agrelius, Welin.
10. Necrology: Dean Sayre, Knaus, Dean Willard.

The reading and discussion of papers followed.

On Friday evening, the Lawrence members gave a banquet to the visiting members and to many of the prominent citizens of Lawrence. The speakers at the banquet were Chancellor Lindley and A. B. Carney, president of the State Board of Administration. After the banquet, Dr. Nabours delivered the presidential address.

The resolutions committee presented a report expressing gratitude to the University for its hospitality, to the resident members for the banquet served, to Professor E. A. White for his continued services in spite of failure of remuneration, and to the president of the Board of Administration, Mr. A. B. Carney, for his interest in science.

The auditing committee reported the books of the treasurer correct.

The membership committee reported fifteen new members. Dr. H. C. Allen, Prof. J. A. G. Shirk, Prof. W. J. Baumgartner and Professor C. M. Sterling were elected life members.

Dr. E. C. Franklin, a life member, was elected an honorary member.

Professor McCulloch reported the work of the Parks committee.

The nominating committee reported the following nominations: president, H. P. Cady; first vice-president, H. H. Nininger; second vice-president, J. E. Ackert; treasurer, L. D. Havenhill; secretary, E. A. White; additional members of the executive council, R. K. Nabours, W. A. Harshbarger, F. U. G. Agrelius, and J. T. Willard.

The report was accepted and the nominees elected.

A motion was made and carried requesting the executive council to appoint a committee to aid the secretary in securing new exchanges. Dr. Dains, Professor Baumgartner and Miss Harman were appointed.

The committee on resolutions suggested that the Academy take some suitable means of showing the regards of the society for Pro-

fessor Ward and Prof. W. H. Keller. Flowers and letters of greetings and good wishes, of regret at their inability to attend the meeting, and of appreciation of past interest and activity in the Academy, were sent by a special committee consisting of L. C. R. Smyth, J. T. Willard and W. J. Baumgartner.

The treasurer reported \$271.89 cash on hand. This report was declared correct by the auditing committee.

The committee on publications reported that it had met in the fall of 1922, examined papers that were in the office of the secretary, and decided to publish Vol. 31 as soon as the secretary had enough material. The secretary proceeded to prepare Vol. 31 as far as possible for the state printer, but investigation showed that the laws relating to the Academy had been repealed.

Report of the Secretary

Volume 30 of the Transactions was received and sent out to the active members and to a part of our exchanges.

At the request of the president a letter was sent to all members of the American Association for the Advancement of Science who live in Kansas and who were not members of the Academy asking them to join the Academy and pay their dues through the secretary of the Academy. Many of them, as our list of new members shows, responded favorably. Others had already paid and promised to pay through the Academy next year. Seventy members of the American Association have paid their dues through the Academy for 1923.

A letter and an index to the 30 volumes of the Academy Transactions were prepared and mailed to all members as well as to all members of the state legislature. Programs of this meeting were also sent to both members and legislators.

Our library is now in charge of Director Manchester of the University Library but the secretary stills looks after our own volumes and exchanges sent out. The incoming exchanges are sent directly to the library.

The president and secretary executed and sent in to the state auditor and the former governor a request for an appropriation of \$1,000 per year for two years for the secretary's salary and also a request for \$500 to pay for binding and getting some of our books in condition to be used.

The financial condition of the Academy was taken up by the executive council at its meeting February 18, 1922. After discussing ways and means for obtaining funds, a committee consisting of the president and the secretary was appointed to take the matter up with the Secretary of Agriculture.

They called on this gentleman and presented the situation. He listened attentively but on account of many other demands he could give us nothing but sympathy.

The secretary was paid from the Academy's funds to July 1, 1922. Since then he has received no compensation.

The communication from Chancellor Lindley, concerning the Acad-

emy library was accepted and the secretary instructed to inform him of the acceptance.

A motion was made and carried that members presenting papers for publication, present abstracts of them, for use of the publication committee, as well as the papers.

—E. A. WHITE, Secretary

Report of the Treasurer

Expenses:

Balance brought forward from 1922	\$556.64
Interest	5.00
Dues paid to treasurer	101.00

Total receipts \$662.64

Expenses

Secretary's salary to July 1, 1922	\$250.00
Expenses pertaining to the office and duties of secretary	140.75

Total expenses \$390.75

Cash on hand February 16, 1923 \$271.89

—L. D. HAVENHILL, Treasurer

Letter from the Secretary Regarding the Academy Library

University of Kansas, Lawrence, Kans., February 21, 1924

Chancellor E. H. Lindley,
University of Kansas.

My Dear Chancellor:

Your letter concerning the Kansas Academy of Science Library was presented to the Academy in session at Manhattan, Feb. 17, 1922.

The Academy voted to accept your proposals as mentioned in your letter and directed the executive council to take steps to turn the library over to the University in accordance with your letter.

The executive council met February 18, 1922, and directed the secretary to turn over the library to the University under the conditions mentioned in your letter.

The Academy owns eighteen plate glass exhibit cases which are now scattered among several departments of the University, one being in the front hall of the library. These cases were loaned by a former secretary to the art department for an exhibit held in the upper floor of East Ad. building but it seems they have allowed them to be scattered. It was the sentiment of the meeting at Manhattan that these cases be gotten together with our other property as soon as we have some place to put them. The secretary, Dr. Cady and Dr. Dains were appointed a committee to look after this property.

Your letter and a record of the acceptance will be published as a part of the secretary's report.

—E. A. WHITE, Secretary, Kansas Academy of Science